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AMSAT NEWS SERVICE
ANS-268

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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ANS-268 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2022 Sep 25

Final Call for Papers - 2022 AMSAT Space Symposium & Annual General Meeting

This is a call for papers for the 40th annual AMSAT Space Symposium to be held on the weekend of October 21-22, 2022 at the Crowne Plaza Suites hotel in Bloomington, Minnesota.

Proposals for symposium papers and presentations are invited on any topic of interest to the amateur satellite community. We request a tentative title of your presentation as soon as possible, with final copy submitted by October 14 for inclusion in the symposium proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV at n8fgv at amsat.org

[ANS thanks Dan Schultz, N8FGV, AMSAT Symposium Proceedings Editor, for the above information]

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JAGSAT NORAD Cat ID 53771 (Thanks to Nico Janssen, PA0DLO for this identification).

The following satellite has decayed from orbit and has been removed from this week's AMSAT- TLE distribution:

ELFIN-A NORAD Cat ID 43617 (decayed from orbit on 09/17/2022 per Space-Track).

[ANS thanks Ray Hoad, WA5QGD, AMSAT Orbital Elements Manager for the above information]

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us with unique opportunities to formulate new directions, ideas, and projects. Some of AMSAT's most innovative accomplishments started with a discussion that began at a symposium. I hope that you can attend and be part of this experience.

The 40th AMSAT Space Symposium and Annual General Meeting will be held on Friday through Saturday, October 21-22, 2022, in Bloomington, Minnesota.

Highlights of all scheduled events include:
• AMSAT Board of Directors Meeting, October 20-21
• 40th AMSAT Space Symposium and Annual General Meeting, October 21-22
• Friday Night Social and Auction, October 21
• AMSAT Banquet and Reception, October 22
• AMSAT Ambassador Breakfast, October 23

The 40th AMSAT Space Symposium is open to anyone interested in advancing the art and science of amateur radio in space. To register, please visit https://launch.amsat.org/Events.

Crowne Plaza is located adjacent to the Minneapolis / St. Paul International Airport and provides a complimentary, scheduled shuttle to and from the airport. Nearby attractions include Mall of America, Target Field, Minnesota Zoo, and the Nickelodeon Universe theme park.

You can make reservations by calling the hotel at (952) 854-9000. The group code is ASG (Amateur Satellite Group). Alternatively, you can make reservations online at: https://tinyurl.com/ANS-219-Symposium-Rooms.

We are AMSAT

Conversations on the AMSAT Bulletin Board start with "AMSAT should…" or “AMSAT needs to…." While these often express great suggestions, the proposals quickly fade into the ether when proponents are asked if they are volunteering.

Asking if someone is volunteering is not meant to slight anyone in any way or discount their ideas; rather, it is a product of who we are and where we are.

AMSAT is an all-volunteer membership organization, and, as such, it draws its strength and accomplishments from its membership. Out of 4,000 members, AMSAT currently has approximately 40 core volunteer engineers, builders, programmers, educators and administrators, who are all fully engaged with the current projects. Thus, taking on any additional work requires additional volunteers.

Think about this for a minute: 40 volunteers out of 4,000 members represent only one percent of our membership. Since we have already achieved so much with that one percent, how much more could we accomplish if we had more of our members volunteer? The potential to advance the art of radio science in space and reach farther is unlimited. Please help us get there!

If you are ready to answer the call, please get in touch with me at rbankston at amsat.org. Until next time, Onward & Upward!

[ANS thanks Robert Bankston, KE4AL, AMSAT President, for the above information]

ARISS News

Scheduled ARISS Contacts

Amur State University, Blagoveshchensk, Russia, direct via TBD

The ISS callsign is presently scheduled to be RSØISS
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Sergey Prokopyev

Contact is go for Mon 2022-09-26 08:20 UTC

New England Sci-Tech, Natick, MA, telebridge via ON4ISS

The ISS callsign is presently scheduled to be TBD
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Bob Hines KI5RQT

Contact is go for: Tue 2022-09-27 18:30:39 UTC 89 deg

Watch for Livestream at https://www.youtube.com/watch?v=hdxnD8uF8t0

Aznakaevo School TBD, Aznakaevo, Republic of Tatarstan, Russia, direct via TBD

The ISS callsign is presently scheduled to be RSØISS
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Dmitry Petlin

Contact is go for Sat 2022-10-01 13:50 UTC

ARISS Radio Status

Columbus Module radios:
IORS (Kenwood D710GA) – STATUS - Configured. Default mode set for cross band repeater (145.990 MHz up {PL 67} & 437.800 MHz down).

* Powered OFF for Soyuz undocking on September 29. OFF Sep. 28 about 09:00 UTC. ON Sep. 30 about 12:30 UTC.
* Capable of supporting USOS scheduled voice contacts, packet and voice repeater ops.

Service Module radios:
IORS (Kenwood D710GA) – STATUS - Configured. Default mode set for packet operations (145.825 MHz up & down)

* Powered OFF for Soyuz undocking on September 29. OFF Sep. 28 about 09:00 UTC. ON Sep. 30 about 12:30 UTC.
* Capable of supporting ROS scheduled voice contacts, packet, SSTV and voice repeater ops.

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors, for the above information]

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Upcoming Satellite Operations

W7WGC: Upcoming, mostly “POTA,” rove. Northwest coast of Oregon, grids CN74, CN75, CN76, CN85 & CN86. Sept. 28th – October 3rd-ish. FM and Linear birds.

LA7XK / JW7XK: Starting in the evening on Oct. 5 ending in the morning on Oct. 10. I will be QRV on RS-44 from Longyearbyen on Svalbard. Locator is JQ78TF

AD0HJ: DN72,DN73, DN82, DN83, DN92, DN93: Oct. 4th, 5th and 6th. Mitch is going to check out the ARRL Rocky Mountain Division Convention. He will be making several stops on the way to do satellite activations from six lonely grid squares.

[ANS thanks Paul Overn, KE0PBR, AMSAT rover page manager, for the above information]

Hamfests, Conventions, Maker Faires, and Other Events

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

+ 2022 Rocky Mountain ARRL Division Convention
October 7, 2022 – October 9, 2022
Event Center at Archer
3921 Archer Pkwy
Cheyenne, Wyoming 82007
https://wyhamcon.org/site

+ 2022 AMSAT-UK International Space Colloquium
October 8–9, 2022
Kents Hill Park Conference Centre, Milton Keynes
https://rsgb.org/main/about-us/rsgb-convention/

+ 40th Annual AMSAT Space Symposium and General Meeting
October 21–22, 2022
The Crowne Plaza Suites, 3 Appletree Square, Bloomington, MN
https://launch.amsat.org/event-4922878

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

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Want to fly the colors on your own grid expedition?
Get your AMSAT car flag and other neat stuff
from our Zazzle store!
25% of the purchase price of each product goes
towards Keeping Amateur Radio in Space
https://www.zazzle.com/amsat_gear

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Satellite Shorts From All Over

+ ArianeGroup unveiled a multi-year design project for a new crew and cargo upper stage that it hopes will meet Europe’s appetite for space travel. Susie (Smart Upper Stage for Innovative Exploration) will launch on top of

the nearly flight-ready Ariane 64 heavy-lift vehicle, carrying cargo and astronauts to LEO and, eventually, to deep space. Susie is designed for safety and reusability. The 12 m-long craft is significantly larger than Dragon, Starliner, or Orion—it features 40 cubic meters of payload space and a total mass of 25 tons. (ANS thanks The Orbital Index for the above information)

+ CAPSTONE continues to tumble, but the spacecraft's communication situation has improved and its propulsion system is being warmed back up to operating temperatures. The CAPSTONE probe is expected to act as a pathfinder for NASA's Gateway – a small space station designed to orbit the Moon and act as a jumping-off point for crewed missions to the surface. [The AMSAT Board of Directors has made a commitment to support amateur radio's inclusion on NASA's Gateway.] (ANS thanks The Orbital Index for the above information)

+ A U.S. astronaut and two Russian cosmonauts blasted off to the International Space Station Wednesday, Sept. 21 on a Russian-operated flight despite soaring tensions between Moscow and Washington over Russia's invasion of Ukraine. NASA's Frank Rubio and Russia's Sergey Prokopyev and Dmitry Petelin launched from the Russia-leased Baikonur cosmodrome in Kazakhstan at 1355 GMT. Rubio is the first U.S. astronaut to travel to the ISS on a Russian Soyuz rocket since President Vladimir Putin sent troops into pro-Western Ukraine on February 24. (ANS thanks Spaceflight Now for the above information)

+ EA4NF has made two notable transatlantic QSOs via AO-91 over the past week, both with VE1CWJ in Nova Scotia and both using a Kenwood TH-D7 handheld transceiver with a whip antenna. The first QSO was made from near Madrid and the second from a beach in the Balearic Islands as EA6/EA4NF. Despite poor battery condition, AO-91 is still capable of supporting long distance QSOs with minimal equipment.

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM
n8hm at amsat dot org